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TITLE

CATALOG OF THE HYMENOPTERA
OF THE
COEUR D'ALENE LABORATORY COLLECTION

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HYMENOPTERA WITH HOPK. U.S. NUMBER, HOST AND LOCALITY
AS CONTAINED IN THE COEUR D'ALENE LABORATORY INSECT COLLECTION
ARRANGED ALPHABETICALLY ACCORDING TO FAMILIES

Hopk.	U.S. No.	Family	Genera - species	Host	Locality
19587-1		Aulacidae	Aulacus abdominalis (Cress.)	Cerambycid and buprestid larvae DF.	Meteline Falls, Washington
21306		"	" editus (Cress.)	Cerambycid and buprestid larvae DF, probably	Meteline Falls, Washington
21306-1		"	Pannegieschia sp. near Minnesota Bradl.	Cerambycid and buprestid larvae DF.	Meteline Falls, Washington
		Bethylidae	Goniozus longiceps Kieffer	Tip moth	Halsey, Nebr.
21832		Braconidae	Apanteles laspeyresiae Viere	PP cone moth larvae.	Coeur d'Alene, Idaho
21888		"	" " "	DF cone moth larvae.	Coeur d'Alene, Idaho
21882		"	" n. sp.	Spruce needle miner in blue and Norway spruce	Coeur d'Alene, Idaho
19687		"	Atanycolus montivagus (Cress.)	Larvae of Buprestidae	Sula, Montana
22048		"	" " "	Larvae of Buprestidae in PP.	Riggins, Idaho

Hopk.	U.S. No.	Family	Genera - species	Host	Locality
19610		Braconidae	Atanycolus near rugosiventris (Ashm.)	D. mont. attacked LPP	Sula, Montana
16312-J		"	" n. sp.	Larvae of Buprestidae	Coeur d'Alene, Idaho
20248		"	" sp.	D. pseud. attacked DF.	Metaline Falls, Washington
19610-2		"	" "	D. mont. attacked LPP	Sula, Montana
20294		"	Chelonus sp.	Ips oregoni attacked PP.	Coeur d'Alene, Idaho
21883		"	" "	Spruce needle miner prepupae in cocoons.	Coeur d'Alene, Idaho
19506		"	" "	D. mont. attacked LPP.	Sula, Montana
16302-a)		"	Coeloides brunneri Vier.	DF beetle larvae in DF	Metaline Falls, Washington
20231-1)		"	" "	"	"
17269 etc		"	" dendroctoni Cush.	D. mont. larvae in LPP	Sula, Montana
17270		"	" "	"	"
20231-2		"	" "	D. pseud. larvae in DF	Metaline Falls, Washington
19665-1		"	" "	D. mont. larvae in WF	Coeur d'Alene, Idaho
21946		"	" "	In willow Willow weevil lar. or politus lar.	Coeur d'Alene, Idaho
19990		"	" "	Ips oregoni larvae PP	Coeur d'Alene, Idaho
19899-1		"	" "	Scolytid in WF	Metaline Falls, Washington

Hopk.	U.S. No.	Family	Genera - species	Host	Locality
21946		Bracnidae	Coeloides scolyti Cosh.	From willow prob. par. on politus lar.	Coeur d'Alene, Idaho
19899		"	" " "	Phleosinus punctatus cedar	Meteline Falls, Washington
—			" " "	D. pseud. larvae in DF	Meteline Falls, Washington
19972		"	" " "	Scolytid lar. in WP	Meteline Falls, Washington
22048		"	" " "	PP infested by Pityogenes sp. and M. gentilis	Higgins, Idaho
19058-1		"	Dendrosoter integer Mues.	Phleosinus punctatus, cedar	Meteline Falls, Washington
19640-1 2-3-4 etc		"	" scaber Mues.	D. mont. in LPP	Sula, Montana
21427		"	Doryctes fortus (Prov.)	Duprestid larvae in DF	Meteline, Falls, Washington
19918		"	" sp.	Ptinid larvae on Engelmann spruce	Meteline Falls, Washington
18774		"	" n. sp.	Ptinid larvae on Engelmann spruce	Sula, Montana
19981		"	Hecabolus californicus Roh.	Phleosinus punctatus in cedar	Meteline Falls, Washington

Hopk.	U.S. No.	Family	Genera - species	Host	Locality
	20238 a	Braconidae	Helconidea occidentalis (Cress.)	Larvae of cerambycids and buprestids	Metalline Falls, Washington
	21446	"	Helcostizus yukonensis Ashm.	D.m. attacked WP infested by acanthocinus larvae	Metalline Falls, Washington
	18775-1- 2-3-etc.	"	Heterospilus n. sp.	Ips oregoni attacked LPP	Sula, Montana
	21365-a	"	Macrocentris aegeriae Roh.	Cerambycid and buprestid larvae DF	Metalline Falls, Washington
	19758- 19758-1 # 4	"	Meteorus hypophloeae Cush.	D. mont. attacked WP	Metalline Falls, Washington
	19507	"	" " " "	D. mont. attacked LPP	Sula, Montana
	19989	"	" " " "	Ips oregoni larvae in PP	Coeur d'Alene, Idaho
	—	"	Microbracon gelechiae (Ashm.)	Tip moth	Halsey, Nebr.
	—	"	" mellitor (Say)	Tip moth	Halsey, Nebr.
	19988	"	" nitidus (Prov.)	Pissodes sp. WP	Prichard, Idaho
	21886	"	" rhyacioniae Mues.	DF cone moth larvae	Metalline Falls, Washington
	—	"	" variabilis (Prov.)	Tip moth	Halsey, Nebr.
	19914-1	"	" xanthonotus (Ashm.)	DF Tussock moth larvae	Northport, Washington

Hopk.	U.S. No.	Family	Genera - species	Host	Locality
20298		Braconidae	Microplites sp.	Ips. oregoni infested PP	Coeur d'Alene, Idaho
19865		"	" "	DF tussock moth larvae	Northport, Washington
20249			Opius n. sp.	Pseudohylesinus nebulosus DF	Metalline Falls, Washington
21831			Phanerotoma laspeyresiae Roh.	PP cone moth larvae	Coeur d'Alene, Idaho
20225			Spathius brunneri Vier.	Scolytus ventralis	Metalline Falls, Washington
19502			" sp.	Parasite of scolytid sp. DF	Sula, Montana
19790-2		Calliceratidae	Conostigmus sp.	Phaonia sp.	Metalline Falls, Washington
21890		Callimomidae	Callimome sp. near occidentale Huber.	DF cone moth larvae	Coeur d'Alene, Idaho
21920		"	Megastigmus picea Roh.	Engelmann spruce seed	Haugan, Montana Nursery
19951		"	Monodontomerus dentipes Boh.	DF tussock moth larvae	Northport, Washington
18735		Chalcididae	Brachymeria tarsata (D.J.)	D. mont. attacked LPP	Sula, Montana

Hopk.	U.S. No.	Family	Genera - species	Host	Locality
—		Chalcididae	Haltichella rhyacioniae Gahan	Tip moth PP	Halsey, Nebr.
22002-a	"	"	Spilochalcis n. sp.	Box elder leaf miner pupae	American Falls, Idaho
19949		Chalcidoidea	Bothriothorax planifrons <i>Exochus</i> How.	DF tussock moth larvae	Northport, Washington
19950		"	Dendrocerus conwentziae var. rufus Gahan	DF tussock moth larvae	Northport, Washington
19846		"	Lamachus sp.	DF tussock moth larvae	Northport, Washington
19803	"	"	Microdontomerus n. sp.	DF tussock moth	Northport, Washington
19921	"	"	" fumipennis Cwfd.	Ichneumonid larvae in tussock moth pupae	Northport, Washington
19886	"	"	Peristenus sp.	DF tussock moth larvae	Northport, Washington
18683	"	"	Telenomus sp. <i>Sclerodae</i> /e	DF tussock moth eggs	Weiser, Idaho
18698	"	"	" californicus Ashm.	DF tussock moth eggs	Weiser, Idaho
21963	"	"	" " "	Hemlock looper (Ellopia) eggs	Coeur d'Alene, Idaho

Hopk.	U.S. No.	Family	Genera - species	Host	Locality
18797		Chalcidoidea	Telenomus coelodasidis Ashm.	DF tussock moth eggs	Weiser, Idaho
—		"	Tritneptis klugii Gahan	Platycampus laricivorus and laricis larvae	Granite, Idaho
18785 etc.		Cleonyidae	Heydenia unica C & D	Ips latidens	Sula, Montana
—		Cleptidae	Cleptes sp.	Larch sawfly larvae	Granite, Idaho
19952		Cynipidae	Anacharis sp.	DF tussock moth	Northport, Washington
18725 19818 etc.		Diapriidae	Diapriidae sp.	D. mont. infest- ed WP	Meteline Falls, Washington
21422		"	Galesus atricornis Ashm.	Lonchaea corticis	Meteline Falls, Washington
21421		"	Hemilexis californica Schm.	Larvae of Forcipomyia	Meteline Falls, Washington
17203 b		Diprionidae	Neodiprion fulviceps Roh.	LPP	Cascade, Idaho
16928 b		"	" sp. near scutellatus Roh.	PP	Coeur d'Alene, Idaho
18665		"	" sp.	LPP	Y.N.P., Wyo.

Hopk.	U.S. No.	Family	Genera - species	Host	Locality
19912-1	Elasmidae	Elasmus	apanteli Gahan	Hyposoter pallipes	Northport, Washington
19948	Encyrtidae	Ooencyrtus	californicus Gir.	DF tussock moth pupae	Northport Washington
21836	Eulophidae	Elachertus	evetriae Gir.	PP cone moth Laspeyresia miscitata in PP cones	Coeur d'Alene, Idaho
21889	"	"	"	DF cone moth larvae, Barbara colfaxiana col- faxiana	Coeur d'Alene, Idaho
21889	"	Tetrastichus	sp.	DF cone moth larvae	Coeur d'Alene, Idaho
19936					Metalline Falls, Washington
17276a-b	Eurytomidae	Eurytoma	plissodis Gir.	Ips oregoni in LPP	Sula, Montana
19870 -	"	"	"	D. mont.	Metalline Falls,
19870-3	"	"	"	infested WP	Washington
19870-1	"	"	"	Tsuga hetero- phylla (hemlock)	Metalline Falls, Washington
19870-2	"	"	"	western red cedar (Thuja plicata)	Metalline Falls, Washington
19964	"	"	"	Pseudo. nebulosus DF	Metalline Falls, Washington
—	"	"	tylodermatis Ashm.	Tip moth PP	Halsey, Nebr.

Hopk.	U.S. No.	Family	Genera - species	Host	Locality
	20230	Ibaliidae	Ibalia ensiger Nort.	DF attacked by the DF beetle	Metalline Falls, Washington
	22045	"	" " "	PP infested by M. gentilis and Sirex behrensi	Riggins, Idaho
	19911	"	" montana Cress.	Flight	Metalline Falls, Washington
22000 } 22001 }		Ichneumonidae	Amblyteles cestus (Cress.)	(Ellopia) Hemlock looper pupae	Coeur d'Alene, Idaho
	19955	"	Apechthis ontario (Cress.)	DF tussock moth pupae	Northport, Washington
21830 } 21834 }		"	Calliephialtes comstockii (Cress.)	PP cone moth larvae	Coeur d'Alene, Idaho
	21448	"	" " "	DF cone moth larvae	Metalline Falls, Washington
21885		"	" " "	DF cone moth	Coeur d'Alene, Idaho
21446 a		"	" " n. sp.	Bark of DF	Metalline Falls, Washington
—		"	Campoplex frustranae	Rhyacionia f. bushnelli	Halsey, Nebr.
	21447	"	" n. sp.	DF bark	Metalline Falls, Washington
18664 } 16974-a } 18644 }		"	Conoblasta fumiferanae Vign.	Spruce budworm pupae	Y.N.P., Wyo.

Hopk. U.S. No.	Family	Genera - species	Host	Locality
—	Ichneumonidae	Cremastus epagoes Cush.	Tip moth PP	Halsey, Nebr.
19806	"	Deuteroxorides occidentalis Cress.	Buprestid larvae	Metalline Falls, Washington
—	"	Ephialtes examiner Fab.	Tussock moth	Shipped to Hailey, Idaho, from New Haven, Conn.
18666-a & b, 18667	"	" sanguineipes (Cress.)	Spruce budworm larvae and pupae	Y.N.P., Wyo.
19928	"	" " "	DF tussock moth pupae	Northport, Washington
18671	"	Epiurus atrocoxalis Ashm.	Spruce budworm pupae	Y.N.P., Wyo.
21884	"	" aplopappi Ashm.	Spruce needle miner prepupa in cocoons	Coeur d'Alene, Idaho
19850	"	" indagator (Cress.)	DF tussock moth larvae	Northport, Washington
18668	"	" sp.	Spruce budworm pupae	Y.N.P., Wyo.
Reared at New Haven, Conn. Lab. no Cd'A Lab. No.	"	Erromenus sp.	Larch sawfly larvae	Granite, Idaho
21887	"	Exochus evetriae Roh.	DF cone moth larvae	Coeur d'Alene, Idaho

Hopk.	U.S. No.	Family	Genera - species	Host	Locality
19505 19505-1 & 2		Ichneumonidae	Celis sp.	Coeloides sp. LPP	Sula, Montana
20282	"		Glypta fumiferanae Vier.	Spruce budworm larvae	Wapiti, Wyo.
19991	"		Hemiteles sp.	Ips oregoni in PP	Coeur d'Alene, Idaho
20283	"		Herpestomus hartiulus (Cress.)	Spruce budworm pupae	Wapiti, Wyo.
18670	"	"	" " "	Spruce budworm pupae	Y.N.P., Wyo.
19917	"		Hyposoter pallipes (Prov.)	DF tussock moth larvae	Northport, Washington
21950	"		Ichneumon sp.	Willow weevil or Agrilus politus	Coeur d'Alene, Idaho
19953	"		Idechthis sp.	DF tussock moth larvae?	Northport, Washington
16962-a	"		Ipoctonus n. sp.	From PP bark, live tree	New Meadows, Idaho
21939	"		Itoplectis atrocaxalis (Cress.)	DF tussock moth larvae	Hailey, Idaho
18672	"	"	" " "	Spruce budworm pupae	Y.N.P., Wyo.

Hopk.	U.S. No.	Family	Genera - species	Host	Locality
	18668 b	Ichneumonidae	Itoplectis esuchus Cush.	Spruce budworm pupae	Y.N.P., Wyo.
	—	"	" conquisitor Say	Tip moth	Halsey, Wyo.
	21934	"	" montanus Cush.	(Ellopia)	Coeur d'Alene,
	21999	"	"	hemlock looper pupae	Idaho
	19954	"	" " "	DF tussock moth pupae	Northport, Washington
	20284	"	" obesus Cush.	Spruce budworm larvae	Wapiti, Wyo.
	21945	"	Lissonota n. sp.	Eucosma bobana WBP cones	Dillon, Montana
		"	Mastrus neodiprioni Vier.	Platycampus laricivorus and laralis larvae	Granite, Idaho
	19851	"	Melanips sp.	DF tussock moth larvae	Northport, Washington
	21833	"	Meloboris laspeyresiae Roh.	PP cone moth larvae	Coeur d'Alene, Idaho
	20238	"	Odontomerus tibialis Cush.	Larvae of Tetroplium in DF	Metaline Falls, Washington
Reared at New Haven, Conn. no Hopk. U.S. No. for Cd'A Lab.		"	Panagyrops areolaris Cush.	Larch sawfly larvae	Granite, Idaho

Hopk.	Family	Genera - species	Host	Locality
U.S. No.				
20237-1	Ichneumonidae	Rhyssa lineolata (Kirby)	Horntail larvae	Metalline Falls, Washington
20237	"	" persuaasoria (L.)	Horntail larvae	Metalline Falls, Washington
22030	"	Sesioplex validus (Cress.)	Spotless webworm	Hope, Idaho
Reared at New Haven, Conn., no Hopk. U.S. No. for Cd'A Lab.	"	Stylocryptus sp.	Larch sawfly	Granite, Idaho
16975-a	"	Theronia fulvescens Cress.	Pine butterfly pupae	New Meadows, Idaho
18709	"	" " "	DF tussock moth pupae	Northport, Washington
19866	"	Thysiotorus sp.	DF tussock moth larvae	Northport, Washington
19859-19806-221365-B	"	Xorides insularis Cress.	Cerambycid and buprestid larvae	Metalline Falls, Washington
19849	"	Zootrepes n. sp.	DF tussock moth pupae	Northport, Washington

Hopk.	Family	Genera - species	Host	Locality
U.S. No.				
20013	Platygastridae	Leptacis n. sp.	Ips oregoni PP	Coeur d'Alene, Idaho
21891	Pteromalidae	Amblymerus verditor (Nort.)	DF cone moth larvae	Coeur d'Alene, Idaho
21835	"	" " "	PP cone moth larvae	Coeur d'Alene, Idaho
18728-18742	"	Cecidostiba acutus Prov.	D. mont. attacked LPP	Sula, Montana
18777-18779 etc.				
19706	"	" dendroctoni Ashus.	D. mont. in WP	Coeur d'Alene, Idaho
18749-19701	"	" " "	D. mont. Ips oregoni in LPP	Sula, Montana
20226	"	" " "	D. pseud. larvae in DF	Metalline Falls, Washington
18616	"	" sp.	D. mont. attacked LPP	Sula, Montana
18784-3-4-5	"	" sp.	Infested DF limbs	Metalline Falls, Washington
19900-19900-1-2	Cheilropachidae	Cheilropachus colon (Linn.)	Various species of Scolytidae	Metalline Falls, Washington
19956	Dibrachys	Dibrachys boucheanus Ratz.	DF tussock moth pupae	Northport, Washington
17234-a	"	" n. sp.	LPP sawfly	West Yellowstone, Montana
20125	"	" n. sp.	Larch sawfly larvae	Black feet W.F., Montana

Hopk.	U.S. No.	Family	Genera - species	Host	Locality
19747		Pteromalidae	Bitelus confusus Ashm.	Ips oregoni infested LPP	Coeur d'Alene, Idaho
18753- 18753-1-2 19826- 19640-1		"	" sp.	D. mont. infested LPP	Sula, Montana
15739		"	" "	Ips oregoni infested LPP	Sula, Montana
18748		"	" "	D. mont. infested LPP	Sula, Montana
19882-1- 19692		"	" "	Ips oregoni LPP	Sula, Montana
22002		"	Habrocytus phycids Ashm.	Box elder leaf miner pupae	American Falls, Washington
20285		"	" sp.	Spruce budworm larvae	Wapiti, Wyo.
19741		"	Pachyceras eccoptogasteri Ratz.	Ips oregoni larvae PP	Spokane, Washington
19746		"	" " "	Ips oregoni larvae LPP	Coeur d'Alene, Idaho
18756		"	" " "	P. nebulosus in DF	Sula, Montana
18784		"	" " "	D. mont. in LPP	Sula, Montana
19691		"	" " "	Dryocetes in Engelmann spruce	Sula, Montana
19697-1		"	" " "	D. mont. in WP	Coeur d'Alene, Idaho
19698		"	" " "	D. mont. in LPP	Spencer, Idaho
20227		"	" " "	D. pseud. larvae in DF	Metaline Falls, Washington

Hopk.	U.S. No.	Family	Genera - species	Host	Locality
19885etc		Pteromalidae	Pachyneuron allograptae	DF tussock moth	Northport,
			Ashm. larvae		Washington
19779-b-		"	" sp.	Agria affinis	Northport,
19779-5					Washington
21420		"	Perniphora sp.	Ambrosia beetle	Metalline Falls,
				larvae	Washington
19843-1-2		Eulophidae	Pleurotropis n. sp.	Microbracon	Northport,
				xanthonotus	Washington
20281		Pteromalidae	Psychopagus near.	Spruce budworm	Mapiti, Wyo.
18662		"	Pteromalus verditor Nort.	Pine sawfly	Y.N.P., Wyo.
18737		"	Rhopalicus pulchripennis	D. mont. and	Sula, Montana
19711etc				Ips oregoni	
19994				larvae in LFP	
19930		Scelionidae	Piestopleura n. sp.	DF cone moth	Metalline Falls,
					Washington
19912		Serphidae	Phaenoserphus abruptus (Say)	WP attacked by	Metalline Falls,
				D. mont.	Washington
22044		Siricidae	Sirex behrensi Cush.	PP infested by	Riggins, Idaho
22046				M. gentilis	

Hopk.	U.S. No.	Family	Genera - species	Host	Locality
18677		Siricidae	Sirex juvenous, racecyaneus Fab.	In DF	Metalline Falls, Washington
20098		"	Urocerus albicornis (F.)	2nd year after attacks by D. pseud. in DF	Metalline Falls, Washington
20097		"	" californicus Ashm.	2nd year after attacks by D. pseud. in DF	Metalline Falls, Washington
21360		"	Xeris morrisonii (Cress.)	2nd year after attacks by D. pseud. in DF	Metalline Falls, Washington
19501		Sphecidae	Passaloecus relativus Fox	D. mont. attacked LPP	Sula, Montana
20000		"	" sp.	Ips oregoni in PP	Coeur d'Alene, Idaho
20004		"	Psen mixtus Fox	Ips oregoni attacked PP	Coeur d'Alene, Idaho
21947		Tenthredinidae	Baura sp.	Willow weevil or Agrilus politus in willow	Coeur d'Alene, Idaho
21922		"	Lygaeonematus erichsonii Hartig	Larch	Kalispell, Montana

Hopk.	U.S. No.	Family	Genera - species	Host	Locality
16379 a		Tenthredinidae	Platycampus (Anoplonyx) laricis Roh.	Larch	Coeur d'Alene, Idaho
16379 b		"	" (Anoplonyx) laricivorus Roh.	Larch	Coeur d'Alene, Idaho
16380 a		"	Pteronidea n. sp.	Cottonwood	Coeur d'Alene, Idaho
16921 a		"	Rhogogaster laterarius Gress.	Flight	Coeur d'Alene, Idaho
		"	Strongylogaster pacificus	PP bark	New Meadows, Idaho
18660		Trichogrammatidae	Trichogramma minutum Riley	Spruce budworm eggs	Y.N.P., Wyo.
18796		"	" " "	tussock moth eggs	Northport, Washington
17228 a		Xyelidae	Xyela prob. salicus Roh.	D. mont. in LPP	Nelson, Montana

(Families unknown)

17204 a			Coelopiathoidea sp.	LPP sawfly	Cascade, Idaho
19993			Ipecosilius sp.	Ipe/ oregoni	Coeur d'Alene, Idaho
			No North American species described.	adults in PP	

HYMENOPTERA

PARASITES OF THE BOX ELDER LEAF MINER

GRACILARIA SP. (NEGUNDELLA CHAMB. ?)

Hopk.	U. S. No.	Family	Genera - species	Stage of host				Locality
				E	L	P	A	
	22002	Chalcididae	Spilochalcis n. sp.			X		American Falls, Idaho
	22002 a	Pteromalidae	Habrocytus phycids Ashm.			X		American Falls, Idaho

HYMENOPTERA

PARASITES OF THE DOUGLAS FIR BEETLE

DENDROCTONUS PSEUDOTSUGAE

Hopk.			Stage of host	
U.S. No.	Family	Genera - species	M L P A	Locality
16302-c	Braconidae	Coeloides brunneri Vier.		Meteline Falls.
20231-1				Washington
17269	"	" dendroctoni Cush.		Meteline Falls.
17270etc:				Washington
21946etc:	"	" scolyti Cush.		Meteline Falls.
				Washington
19706	Pteromalidae	Cecidostiba dendroctoni Ashm.:		Meteline Falls.
				Washington
19741 etc:	"	Pachyceras eccoptogastri		Meteline Falls.
		Ratz.		Washington

HYMENOPTERA

PARASITES OF THE DOUGLAS FIR CONE MOTH

BARBARA COLFAXIANA COLFAXIANA

Hopk.	U.S. No.	Family	Genera - species	Stage of host E L P A	Locality
21888		Braconidae	Apanteles laspeyresiae Vier.	X?	Coeur d'Alene, Idaho
21886		"	Microbracon rhyacioniae Mues.	X?	Metalline Falls, Washington
21890		Callimomidae	Callimome sp. near occidentale Huber		Coeur d'Alene, Idaho
21889		Eulophidae	Elachertus evetriae Gir.	X?	Coeur d'Alene, Idaho
21889 a		"	Tetrastichus sp.		Coeur d'Alene, Idaho Metalline Falls, Washington
21885		Ichneumonidae	Calliephialtes comstockii (Cress.)	X	Coeur d'Alene, Idaho
21887		"	Exochus evetriae Roh.	X?	Coeur d'Alene, Idaho
21891		Pteromalidae	Amblymerus verditor (Nort.)		Coeur d'Alene, Idaho

HYMENOPTERA

PARASITES OF THE DOUGLAS FIR TUSSECK MOTH

HEMEROCAMPA PSEUDOTSUGATA McD.

Hopk.	U.S. No.	Family	Genera - species	Stage of host E L P A	Locality
19914-1		Braconidae	Microbracon xanthonotus (Ashm.)	X	Northport, Washington
19865		"	Microplitis sp.	X?	Northport, Washington
19951		Callimomidae	Monodontomerus dentipes Boh.	X?	Northport, Washington
19949		^{Chalcidoidea} Chalcidoidea	Dothrioetherax planifrons How.	X?	Northport, Washington
19950		^{Cteniscidae} (Callimomidae)	Dendrocercus conwentziae var. rufus Gahan	X? X?	Northport, Washington
19846		^{Ichneumonidae} Ichneumonidae	Lamachus sp.	X?	Northport, Washington
19803		"	Microdontomerus n. sp.	X	Northport, Washington
19886		"	Pertistenus sp.	X?	Northport, Washington

Hopk.	U.S. No.	Family	Genera - species	Stage of host	Locality
				E L P A	
18683		Chalcididae	Telonomus sp.	X	Weiser, Idaho
18698		"	" californicus Ashm.	X	Weiser, Idaho
18797		"	" coelodasidis Ashm.	X	Weiser, Idaho
19948-1		Encyrtidae	Ooencyrtus californicus Gir.	X	Northport, Washington
19955		Ichneumonidae	Apechthis ontario (Cress.)	X	Northport, Washington
19928		"	Ephialtes sanguineipes (Cress.)	X	Northport, Washington
19850		"	Epiurus indagator (Cress.)	X?	Northport, Washington
18716		"	Hyposoter pallipes (Prov.)	?	Weiser, Idaho
19847		"	" " "		Northport, Washington
—		"	" " "	X	Hailey, Idaho
19953		"	Idechthis sp.	?	Northport, Washington
21939		"	Itoplectis atrocoxalis (Cress.)	X	Hailey, Idaho
19850-1		"	" montanus Cush.	X	Northport, Washington

Hopk.	Family	Genera - species	Stage of host	Locality
U.S. No.			B L P A	
19851	Ichneumonidae	Melanipe sp. ?	X?	Northport, Washington
18709	"	Theronia fulvescens (Cress.)	X	Northport, Washington
19866	"	Thysiotorus sp.	X?	Northport, Washington
19849	"	Zootrepes n. sp.	X?	Northport, Washington
19956	Pteromalidae	Dibrachys boucheanus Ratz.	X	Northport, Washington
19885	"	Pachyneuron allograptae Ashm.	X?	Northport, Washington
18796	Trichogrammidae	Trichogramma minutum Riley	X	Northport, Washington
18690				Weiser, Idaho

UNCERTAIN AS TO BEING PARASITES OF H. PSEUDOTSUGATA

Hopk.	U.S. No.	Family	Genera - species	Locality
19952		Cynipidae	Anacharis sp.	In association: Northport, with H. p. Washington larvae
19953		Ichneumonidae	Idechthis sp.	In association: Northport, with H. p. Washington larvae on twigs

PROBABLE HYPERPARASITES

19917-1		Elasmatidae	Elasmus apanteli Gahan	Collected from: Northport, cocoon of Washington Hypocoter pallipes
19921		"	Microdontomerus fumipennis Giff.	Collected from: Northport, ichneumonid Washington larva in tue- sock moth pupa:
19779		Pleurostomatidae	Pachyneuron sp.	Reared from Tachinid puparium
19779-5		"	"	Reared from Tachinid puparium (Prob. Agra affinis Fall)
19843-2		Endophragmidae	Pleurotripsis n. sp.	Reared from Northport, cocoon of Washington Microbraccon xanthonotus (Ashm.) Hopk. U.S. 19914-1

HYMENOPTERA

PARASITES OF THE HEMLOCK LOOPER

ELLOPIA FISCELLARIA LUGUBROSA HLST.

Hopk.				Stage of host	
U.S. No.	Family	Genera - species	E L P A	Locality	
21963	Chalcidoidea	Telenomus californicus	X	Coeur d'Alene,	
		Ashm.		Idaho	
20000-20001	Ichneumonidae	Amblyteles cestus (Cress.)	X	Coeur d'Alene,	
				Idaho	
21999	"	Itoplectis montanus Cush.	X	Coeur d'Alene,	
				Idaho	

HYMENOPTERA

PARASITES OF THE LARCH SAWFLY

(NEMATUS (LYGAEONEMATUS ERICHSONII) HARTIG)

Flathead National Forest, Montana

Hopk.				Stage of host	
U.S. No.	Family	Genera - species	E L P A	Locality	
20125	Pteromalidae	Dibrachys n. sp.	X	Kalispell,	
				Montana	

HYMENOPTERA

PARASITES OF THE LARCH SAWFLIES

PLATYCAMPUS LARICIVORUS & P. LARICIS

Hopk.	U.S. No.	Family	Genera - species		Locality
		Chalcidoidea	Tritneptis klugii Gahan	Secondary	Granite, Idaho
		Cleptidae	Cleptes sp.		Granite, Idaho
Reared at :	Ichneumonidae:	Erromenus sp.			Granite, Idaho
New Haven, :					
Conn. Lab. :					
No Cd'A :					
Lab. No. :					
	"	Mastrus neodiprioni Vier.	Primary		Granite, Idaho
	"	Panagyrops areolaris Cush.	Secondary		Granite, Idaho
	"	Stylecryptus sp.	Primary		Granite, Idaho

HYMENOPTERA

PARASITES OF THE MOUNTAIN PINE BEETLE

DENDROCTONUS MONTICOLAE

Hopk.	U.S. No.	Family	Genera - species	Locality
19665-1		Braconidae	Coeloides dendroctoni Ashm.	Sula, Montana Coeur d'Alene, Idaho
19640-1		"	Dendrosoter scaber Mues.	Sula, Montana
2-3-4 etc:				
			Meteorus hypophloeae Gush. ²	Meteline Falls, Washington Sula, Montana
19870		Murytomidae	Murytoma pissodes Gir.	Sula, Montana
19870-3-4				
19706etc:		Pteromalidae	Cecidostiba dendroctoni Ashm.	Coeur d'Alene, Idaho
18784		"	Pachyceras eccoptogastris Ratz.	Sula, Montana
18737		"	Rhopalicus pulchripennis	Sula, Montana
19711etc:				
17228 a		Xyelidae	Xyela prob. salicus Roh.	Nelson, Montana
			N. C.	

HYMENOPTERA

PARASITES OF IPS OREGONI EICHH.

Hopk. U.S. No.	Family	Genera - species	Stage of host				Locality
			H	L	P	A	
17269	Braconidae	Coeloides dendroctoni Oush.	X				Coeur d'Alene,
17270							Idaho
etc.							
19758	"	Meteorus hypophloeae Oush.?	X				Coeur d'Alene,
19758-							Idaho
1-5-4-							
etc.							
19991	Ichneumonidae	Hemiteles sp.					Coeur d'Alene,
							Idaho
20013	Platygasteridae	Leptacis sp.					Coeur d'Alene,
							Idaho
18749	Pteromalidae	Cecidostiba dendroctoni	X				Coeur d'Alene,
9701		Ashm.					Idaho
19692	"	Ditelus sp.					Coeur d'Alene,
							Idaho
19741	"	Pachyceras coccinogasteri	X				Coeur d'Alene,
etc.		Ratz.					Idaho
18737	"	Rhopalicus pulchripennis					Coeur d'Alene,
19711		Owld.					Idaho
etc.							

Hopk.					
U.S. No.	Family	Genera - species	Stage of host		Locality
			E L P A		
20000	Sphecidae	Passaloecus sp.			Coeur d'Alene, Idaho
20004	"	Paen mixtus Fox			Coeur d'Alene, Idaho
19994	<i>Pteromalidae</i> (Family unknown)	Ipocoelinus sp.		X	Coeur d'Alene, Idaho

HYMENOPTERA

PARASITES OF THE PINE BUTTERFLY

NEOPHASIA MENAPIA FELDER

Hopk.				Stage of host	
U.S. No.	Family	Genera - species	E L P A	Locality	
16975 a	Ichneumonidae	Theronia fulvescens (Cress.)	X	New Meadows,	
				Idaho	

HYMENOPTERA

PARASITES OF THE PONDEROSA PINE CONE MOTH

LASPEYRESIA MISCITATA HEINRICH

Hopt. U.S. No.	Family	Genera - species	Stage of host				Locality
			E	L	P	A	
21832	Braconidae	Apanteles laspeyresiae Vier.	X				Coeur d'Alene, Idaho
21831	"	Phanertoma laspeyresiae Roh.	X				Coeur d'Alene, Idaho
21836	Mulophidae	Elachertus evetriae Gir.					Coeur d'Alene, Idaho
21830	Ichneumonidae	Calliephialtes comstockii (Cress.)	X				Coeur d'Alene, Idaho
21833	"	Meloboris laspeyresiae Roh.	X				Coeur d'Alene, Idaho
21835	Pteromalidae	Amblynerus verditor (Nort.)					Coeur d'Alene, Idaho

HYMENOPTERA

PARASITES OF THE SPRUCE BUDWORM

GACONCIA FUMIFERANA CLEM.

Hopk. U.S. No.	Family	Genera - species	Stage of host				Locality
			B	L	P	A	
18664	Ichneumonidae	Conoblasta fumiferanae Vier.			X		Y.N.P., Wyo.
18666 a	"	Ephialtes sanguineipes (Cress.)	X	X			Y.N.P., Wyo.
18671	"	Epiurus atrocaxalis Ashm.			X		Y.N.P., Wyo.
18668	"	" sp.			X		Y.N.P., Wyo.
20282	"	Glypta fumiferanae Vier.	X				Wapiti, Wyo.
18670	"	Herpestomus hariolus (Cress.)			X		Wapiti, Wyo.
20283	"	" " "	X				Wapiti, Wyo.
18672	"	Itoplectis atrocaxalis (Cress.)			X		Y.N.P., Wyo.
18668 b	"	" esuchus Gush.			X		Y.N.P., Wyo.
20284	"	" obesus Gush.			X		Wapiti, Wyo.
20285	Pteromalidae	Habrocytus sp.			X		Wapiti, Wyo.
20281	"	Psycochagus (near)			X		Wapiti, Wyo.
18660	Trichogrammidae	Trichogramma minutum Riley	X				Y.N.P., Wyo.

HYMENOPTERA

PARASITES OF THE SPRUCE NEEDLEMINER

TARIVA ALBOLINEANA KEARFOOT

Hopk.					
U.S. No.	Family	Genera - species	Prepupa in cocoons	Locality	
21882	Braconidae	Apanteles n. sp.	X	Coeur d'Alene,	Idaho
21883	"	Chelonus sp.	X	Coeur d'Alene,	Idaho
21884	Ichneumonidae	Epiurus aplopappi Ashm.	X	Coeur d'Alene,	Idaho

HYMENOPTERA

PARASITES OF MELANOPHILA GENTILIS LEO.

Hopk.				State of host	
U.S. No.	Family	Genera - species	E L P A	Locality	
22048	Braconidae	Atanycolus montivagus (Cress.)	X	Riggins, Idaho	
22048	"	Coeloides sp. near scolyti Cush.		" "	

HYMENOPTERA

PARASITES OF THE SPOTLESS WEBWORM

HYPHANTRIA TEXTOR HARRIS

Hopk.				Stage of host	
U.S. No.	Family	Genera - species	E L P A	Locality	
22030	Ichneumonidae	Sesioplex validus (Cress.)	X	Hope, Idaho	

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